# My Jery of Great Redollar

WHAT WILL THE PREJENT CLOSE APPROACH TELL US OF THE LIFE SECRETS OF OUR NEAREST NEIGHBOR MARJP

MAP OF MARY IN 1903

PROF LOWELL.

myriad systematic interlacing of "ca- allow them to survive. Their tremennail." There is no doubt in the minds dous feat implies," he says, "a unity
of astronomers today that this is a of interest. We deduce that they are a
system to distribute water over a nonbellicose people. War is something
parched globe, the last stand made by they have long since outgrown. Innighly evolved life for existence. It is ternational strife is after all something
an irrigation system on such a stupendous scale that it makes all our
savage times." The Martians, it goes
tchievements in reclamation seem trivwithout saying, when we think of their
becomes a mentality without body,
ial. Save for these bluish lines and system, have reached this point:

cerning our hibernating neighbers of
the great red planet.

But theories such as Du Maurier's,
with their psychic interest, are at
persent more popular. We know the
beings there must be highly evolved.
According to some thinkers, at a certain point in the evolution of man he
canable of projecting itself at will to Save for these bluish lines and system, have reached this point:

When the war drum throbs so longer and the battle dag is furled, In the parliament of man, the federation of the world.

But Lowell takes another step. Not only does he realize that the Martians must be an older and therefore more intelligent race, having long highly intelligent race, having long passed the stage we are going through, a great world of beings who have colonized to the last available inch their whole barren globe, but he even has a word to say on the possible type of being a planet constituted like Mars might evolve.

On Mars the summer follows close upon the winter, the one excessively cold—at least absolute or 273 centi-

Lowell takes as an example San of the ether; and it is probable that rising 12,561 feet from a torrid belt to a boreal region of elongated winters of piercing cold. Lowell contends that as illustrated by life or the same and the same are successful to the same are successful.

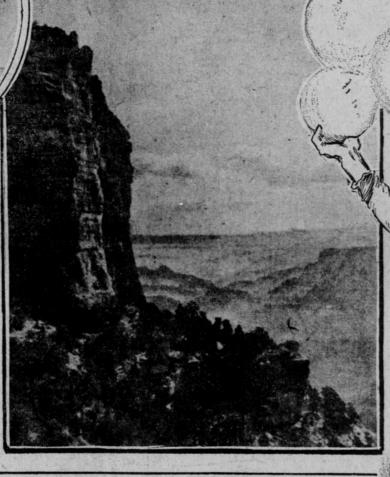
becomes a mentality without body, capable of projecting itself at will to a given point. Du Maurier in "The Martian" used this idea in making his Martian, or Martianess, project herself from Mars and dominate an earth body. There is certainly a wide field for fiction pure and simple offered by the red planet.

the red planet.

But to return to earth and the scientific. It is not too wild a flight to predict that we undoubtedly will eventually communicate with Mars, not by the sending of thought waves, as in so much of the fiction, but by the actual projection of messages through the ether that separates us from Mars. If a human mind could conceive the wireless this idea is not so farfetched as it at first seems. It may be that at this very moment our nearest neighbors are busy with experiments that will obviate the loss of messages through the alien meisture

we earthborn or the Martians are eventually to solve the problem.

A few years ago, as most "constant readers" of the newspapers will remember, there was a tremendous Mars excitement, arising from the very fact that it was thought our neighbor was trying to signal to us; there was an incredibly bright spot moving along the surface of the planet. Then Professor Lowell declared that this spot was a great flying cloud (clouds are



GRAND CANYON OF THE COLORADO, WHICH MUST LOOK TO THE MARTIANS LIKE ONE OF THEIR OWN

## By Carl Von Mosen

PROF. PERCIVAL LOWELI

EW are the people, all over the civilized world today-and especially here in the clearer, dryer sir of the west-whose eyes do not turn every evening as dusk falls into dark, to the east (slightly southeast, to be accurate) to watch for that "great red star," as they used to call it, shining from its dark blue field with the splendor of Jupiter, but more portentous in appearance because of the lurid red-orange of its color. In ancient times this approach of Mars-for it is Mars that is now rising redly in the east just after sunset-was actually looked upon as the herald of blood and disaster, and ugly happenings that followed on its red track were considered the concrete result of its splendid brief reign in the eastern sky.

Nowadays especially in this sum- who are interested in the marvelous mer of 1907-the appearance of the romance of the heavens are watching great red star kindles as much inter- and wondering. The approach is nearest as it did fear in those old days. est, the seeing best, about the middle For Mars, our nearest neighbor in the of August. Mars at present is only selar system, has grown to be the 38,000,000 miles away. This "only" may planet of mystery. There is not an seem laughable unless we contrast it astronomer in the world whose tele- with the fact that generally the red scope, at this nearest approach since star is something like 244,000,000 miles network of waterways and cases dad") deducing the fact that an earth 1882, is not pointed to the east in away and has to be hunted with a that covers the face of the planet. the hope of wresting new secrets con- telescope. cerning that mysterious life that the What we at present know about the a great blinding, shining disk, more pounds or so on Mars-amusingly uses world now agrees exists on the red red planet seems trivial and doubtful blank of face than the moon. It was

# "Nearest" in Mid-August

and irregular intervals is simple, as well as the scientist, and a marvels of astronomy, to the layman realized with a dreadful certainty that and irregular intervals is simple, as well as the scientist, and a marvels of astronomy, to the layman realized \$3,000,000 miles away and the carries with it a kindling took and Jules Verne quite as interesting a small arried \$3,000,000 miles away that the search is much larged because of the fact that Mars concerns the carries with it a kindling took and Jules Verne quite as interesting a smaller, older neighbor at the sun, the caps at the sun, the evolved life, as we must believe from earth. Therefore, which hards the sun the facts and photographs that these earth is nearly at its greatest distance, which brings the two orbits closer together at that point than as to done in the last few years been able to forget that the work of Jules Verne, with his unusually and the last few years been able to forget the sun that well as contained to the science is indeed greater than romance, and other. The accompanying distance and other field for Fiction that the work of Lowell I felt again that the work of L

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to the unthinking outsider; to men as if one looked down on a bowl hero projected upon the red star and like Schiaparelli and Lowell, who have filled with molten brass. It was shadpractically discovered this new world ed more deeply reddish in places; but tions of a flying fish, because of his in the last 30 years, it is one of the not a line, not a spot, did I see. I suddenly lessened weight. The reason that these near ap- in the last 30 years, it is one of the not a line, not a spot, did I see. I prosches to Mars occur only at long marvels of astronomy, to the layman realized with a dreadful certainty that and irregular intervals is simple, as well as the scientist, and a marvel Mars was indeed 38,000,000 miles away fact that like the earth there is on this

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WHERE PLANETS ARE

MEAREST & FARTHEST

So we must first be willing to take for granted what the great astronom-ers who have devoted their lives to the cases are vegetation springing anew red star have to tell us. Percival with the spring and the descent of the red star have to tell us. Percival Lowell is the man who has done most. Lowell is the man who has done most. Because of the unsatisfactory seeing in the moist atmosphere of the east Lowell with enthusiastic impetuosity, 12 years ago, came west, seeking a tory in northern Arizona, 7,000 feet shove the sea with Arequipa and Lick one of the three best located observatories in the world.

What, then, do we at present know

Have Days Like Ours

The planet is considerably smaller than the earth, having a diameter of and tremendous implies a wonderful but 4,400 miles; but it rotates on its axis in the same time; therefore the Martian day is about the length of our day, while its seasons and years are 282,000,000 square miles! Therefore to twice as long. The gravitation of this smaller body is about two-fifths of what it is on earth. Jules Verne in one of his romances ("Hector Servicus dae") deducing the fact that an earth and we had a star and the same time; there is atmosphere. And since one of his romances ("Hector Servicus dae") deducing the fact that an earth and we had a star has come to be looked and there is vegetation there is undoubtedly a dae") deducing the fact that an earth and the same time; there is a this point that astronomers.

World System of Canals

It may be seen at once that to girdle the world with a system so elaborate and tremendous implies a wonderful people it by the rays of the sun And they cover footing the rest of the year. Animal to propagate its kind it can hold its from this peak hibernates through the winter season. For months nature is: "Are your skies red or green or group of the winter season. For months nature is: "Are your skies red or green or support that there is atmosphere. And since one of his romances ("Hector Servitions of animals, yellow?" This color of the sky is a prominent variant in all Martian flection.

There is scarcely an astronomical discovery that has roused more animal life.

Why? This latest theory has given the proposition that Mars has produced intelligent life. So loth have we we that covers the face of the planet. He fact that an earth that covers the face of the planet. He fact that an earth that covers the face of the planet. He fact that an earth man on Mars would weigh a great deal I looked through the glass and saw a great blinding, shining disk, more pounds or so on Mars—amusingly uses this fact. He represents his earth born this point make our own excursions as if one looked down on a bowl as if one looked down on a bowl filled with molten brass. It was shad-filled with molten brass. It was shad-lears, impring willow that an earth man on Mars would weigh a great deal It is at this point that astronomers Why? This latest theory has given the fact that an earth man on Mars would weigh a great deal It is at this point that astronomers Why? This latest theory has given the state to tell us what they think. They will not theorize. We must from this point make our own excursions But somehow the picture of Teddy here of the fact that an earth man on Mars would weigh a great deal It is at this point that astronomers why? This latest theory has given the state to tell us what they think. They will not theorize. We must from this point make our own excursions But somehow the picture of Teddy here of Teddy here of the fact that an earth man on Mars would weigh a great deal It is at this point that astronomers why? This latest theory has given the state to tell us what they think. They will not theorize. We must from this point make our own excursions But somehow the picture of Teddy here of Tedd

It depends a good deal on individual junction, spots the surface of Mars is eyesight.

So we must first be willing to take

These waterways were for years looked upon as cracks and fissures, natural formations. But it is generally conceded now that they must be arti-ficial; they are absolutely straight; they dryer air, and devoted his whole for- are of uniform, individual size; they in-tune to the building of Lowell observa- variably connect with the cases by the quickest and least wasteful paths; they cover the surface of the globe in a close systematic net; and, finally, water could not but by artificial means flow direct to the equator, especially since Mars is a planet of levels, with no mountain ranges.

severing the country in great kangaroo eaps, jumping miles, with the sensations of a flying fish, because of his tific mark. Lowell besides being a mind. We cannot help we suddenly lessened weight.

But, putting romancing aside, the re-enkinding imagination. Many readers mind will next be impelled. recall his work in another field, "Chosen, the Land of the Morning Calm," and "Occult Japan," colorful

is the first picture that comes to one's mind. We cannot help wondering to what leap Lowell's brilliant and acute

intelligent life. So loth have we been to believe that we are not alone in the solar system that one is reminded of the mediaeval legend: A young Jesuit astronomer came to his superior with the discovery that there were spots on the sun. The father said: "Tranquillize yourself, my son. (It was probably an excitable and imaginative discoverer of the Lowell temper.) What you irreligiously tage for spots on the sun are the defects of your own eyes or your glasses." And





